

Claims

1. A rear parcel shelf for use in a motor vehicle, having a fixing device
for its retention and having an, in particular, one-piece storage plate
5 (11) forming the storage surface, whereby the fixing device includes
an actuating element envisaged for releasing the retention, in
particular a push button (12),

whereby a detent connection, which retains the storage surface,
10 occurs between a detent spring (27) which is connected to a part
(26) being secured to the vehicle, and a detent element (29) which is
connected to the storage surface,

whereby the actuating element includes a releasing device (18)
15 which is envisaged for releasing the detent connection and

whereby the releasing device (18) is formed and envisaged for
penetrating into and expanding a clearance between the detent
spring (27) and the detent element (29) when the detent connection
20 is released.
2. The rear parcel shelf according to Claim 1,

having a recessed grip lower part (13) arranged at the lower side of
25 the storage plate (11), which forms, together with the storage plate
(11), a recessed grip (15), which is accessible when the actuating
element is actuated.
3. The rear parcel shelf according to Claim 1,
30 whereby the releasing device (18) is a component, in particular a

one-piece component, of a push button lower part (16) which belongs to the actuating element and which includes a guide element (19), which is fixed in a guide contour (20) associated with the storage plate (11) and, in particular, connected with this in a one-piece manner.

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4. The rear parcel shelf according to Claim 3,

whereby the guide contour (20) has a limiting pin (21), which engages with a recess (21') of the guide element (19).

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5. The rear parcel shelf according to Claim 3 or 4,

whereby the guide contour (20) has an extension (23), on which a spring element – push button spring (22) – is arranged, which, when under tension, abuts a lower side of the push button (12), in particular which abuts the push button lower part (16).

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6. The rear parcel shelf according to Claim 3, 4 or 5,

whereby the releasing device (18) is designed as a wedge (17) which is slanted at the free end, and whereby the releasing device (18) is situated under the push button (12) perpendicular to a plane defined by the storage plate (11).

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7. The rear parcel shelf according to Claim 6,

whereby the releasing device (18) is centrically slit at the free end.

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8. The rear parcel shelf according to Claim 1,

whereby the detent spring (27) has a detent cam (27') envisaged for engaging with a recess at the detent element (29), and whereby the detent element (29) tapers off at the free end in the form of a ramp (32).

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9. A fixing device for retaining a rear parcel shelf having a storage plate (11) forming a storage surface in a motor vehicle, having an actuating element envisaged for releasing the retention, in particular a push button (12),

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whereby the actuating element includes a releasing device (18) which is envisaged for releasing a detent connection which retains the rear parcel shelf,

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whereby the detent connection occurs between a detent spring (27), which is connected to a part (26) being secured to the vehicle, and a detent element (29) which is connected to the storage surface and

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whereby the releasing device (18) is formed and envisaged for penetrating into and expanding a clearance between the detent spring (27) and the detent element (29) when the detent connection is released.

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10. The fixing device according to Claim 9,

having a recessed grip lower part (13) arranged on the lower side of the storage plate (11), which forms, together with the storage plate (11), a recessed grip (15), which is accessible when the actuating element is actuated.

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11. The fixing device according to Claim 9,

whereby the releasing device (18) is a component, in particular a one-piece component, of a push button lower part (16) which belongs to the actuating element, and which includes a guide element (19), which is fixed in a guide contour (20) associated with the storage plate (11) and, in particular, connected with this in a one-piece manner.

12. The fixing device according to Claim 11,

whereby the guide contour (20) has a limiting pin (21), which engages with a recess (21') of the guide element (19).

13. The fixing device according to Claim 11 or 12,

whereby the guide contour (20) has an extension (23), on which a spring element – push button spring (22) – is arranged, which, when under tension, abuts a lower side of the push button (12), in particular which abuts the push button lower part (16).

14. The fixing device according to Claim 11, 12 or 13,

whereby the releasing device (18) is designed as a wedge (17) which is slanted at the free end, and whereby the releasing device (18) is situated under the push button (12) perpendicular to a plane defined by the storage plate (11).

15. The fixing device according to Claim 14,

whereby the releasing device (18) is centrically slit at the free end.

16. The fixing device according to Claim 9,

whereby the detent spring (27) has a detent cam (27') envisaged for engaging with a recess at the detent element (29), and whereby the detent element (29) tapers off at the free end in the form of a ramp (32).

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17. A motor vehicle having a rear parcel shelf according to one of Claims 1 to 8.

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18. A motor vehicle having a fixing device according to one of Claims 9 to 16.

19. The motor vehicle according to Claim 17 or 18,

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whereby, at a part which is secured to the vehicle, in particular at a receiving element (25) on which the storage plate (11) directly or indirectly rests, a microswitch (33) is arranged, which protrudes, with a probe head, through an opening (34) of the receiving element (25), such that the microswitch (33) is actuated when the storage plate (11) rests on it.

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20. The motor vehicle according to Claim 19,

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whereby an electrical signal, based on a switching position of the microswitch (33), for triggering a display with regard to the correct positioning and/or retention of the storage surface or the storage plate (11), is envisaged.